

Supplemental Table 1. Models to assess effects of Serum TMA on Coronary Plaque Parameters in HIV-Infected Subjects

Supplemental Table 1a.										
	Calcium Score (n=150) (R ² =0.05; P=0.02)		Total Plaque Segments (#) (n=143) (R ² =0.04; P=0.05)		Calcified Plaque Segments (#) (n=143) (R ² =0.04; P=0.07)		Calcium Volume of Plaque (n=142) (R ² =0.04; P=0.06)		Calcium Mass of Plaque (n=142) (R ² =0.05; P=0.03)	
	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value
Variables										
Serum TMA	0.9753	0.008	0.8628	0.02	0.1680	0.05	20.5065	0.02	5.6769	0.01
HDL	-0.0028	0.81	0.0008	0.095	-0.0024	0.39	0.0333	0.91	0.0073	0.92

Supplemental Table 1b.										
	Calcium Score (n=149) (R ² =0.06; P=0.01)		Total Plaque Segments (#) (n=142) (R ² =0.04; P=0.05)		Calcified Plaque Segments (#) (n=142) (R ² =0.03; P=0.10)		Calcium Volume of Plaque (n=141) (R ² =0.05; P=0.04)		Calcium Mass of Plaque (n=141) (R ² =0.06; P=0.02)	
	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value
Variables										
Serum TMA	0.9629	0.008	0.8572	0.02	0.1810	0.03	19.4624	0.03	5.4203	0.01
HCV	-0.2335	0.32	-0.0837	0.72	0.0038	0.95	-5.8033	0.31	-1.4887	0.30

Supplemental Table 1c.										
	Calcium Score (n=150) (R ² =0.06; P=0.01)		Total Plaque Segments (#) (n=143) (R ² =0.05; P=0.03)		Calcified Plaque Segments (#) (n=143) (R ² =0.03; P=0.10)		Calcium Volume of Plaque (n=142) (R ² =0.04; P=0.06)		Calcium Mass of Plaque (n=142) (R ² =0.05; P=0.03)	
	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value
Variables										
Serum TMA	1.0240	0.005	0.8896	0.01	0.1791	0.03	20.3418	0.02	5.7008	0.008
PI Use	0.2261	0.27	0.2162	0.29	-0.0140	0.77	0.2881	0.95	0.5320	0.67

Supplemental Table 1d.										
	Calcium Score (n=150) (R ² =0.06; P=0.01)		Total Plaque Segments (#) (n=143) (R ² =0.05; P=0.03)		Calcified Plaque Segments (#) (n=143) (R ² =0.04; P=0.05)		Calcium Volume of Plaque (n=142) (R ² =0.06; P=0.02)		Calcium Mass of Plaque (n=142) (R ² =0.06; P=0.01)	
	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value
Variables										
Serum TMA	0.9442	0.009	0.8042	0.02	0.1680	0.05	18.5666	0.03	5.2087	0.02
ATV Use	-0.2789	0.23	-0.2712	0.24	-0.0662	0.22	-8.7318	0.12	-2.1289	0.13

Supplemental Table 1e.										
	Calcium Score (n=150) (R ² =0.06; P=0.01)		Total Plaque Segments (#) (n=143) (R ² =0.07; P=0.006)		Calcified Plaque Segments (#) (n=143) (R ² =0.03; P=0.10)		Calcium Volume of Plaque (n=142) (R ² =0.04; P=0.06)		Calcium Mass of Plaque (n=142) (R ² =0.05; P=0.03)	
	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value
Variables										
Serum TMA	1.1114	0.003	1.0702	0.004	0.1831	0.04	20.3927	0.02	5.6282	0.01
NNRTI use	-0.2296	0.30	-0.4480	0.04	-0.0041	0.94	-0.1778	0.97	0.0086	0.99

Supplemental Table 1f.										
	Calcium Score (n=150) (R²=0.07; P=0.005)		Total Plaque Segments (#) (n=143) (R²=0.06; P=0.01)		Calcified Plaque Segments (#) (n=143) (R²=0.03; P=0.10)		Calcium Volume of Plaque (n=142) (R²=0.05; P=0.04)		Calcium Mass of Plaque (n=142) (R²=0.06; P=0.02)	
	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value	β Estimate	P Value
Variables										
Serum TMA	1.1110	0.002	0.9819	0.006	0.1839	0.03	22.0966	0.01	6.1404	0.005
EFV use	-0.3757	0.09	-0.4074	0.07	-0.0089	0.87	-5.7134	0.29	-1.6196	0.23

R² represents the coefficient of determination and the proportion of variance explained by the model. P value represents significance by the whole model ANOVA test.

Abbreviations: TMA, trimethylamine; HDL, high-density lipoprotein; HCV, hepatitis C virus; ATV, atazanavir; EFV, efavirenz; NNRTI, non-nucleoside reverse transcriptase inhibitors; PI, protease inhibitors